

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION

International Office

INTERNATIONAL APPLICATION PUBLISHED ACCORDING TO THE PATENT
COOPERATION TREATY (PCT)

(51) International patent classification⁶: C12N 15/52, 15/81,
1/19, C12P 5/02, 7/04, 7/02, 33/00 A1

(11) International publication number: WO 99/16886

(43) International publication date: April 8, 1999 (4/8/99)

(21) International file number: PCT/EP98/06134

(22) International application date: September 28, 1998 (9/28/98)

(30) Priority data: 197 44 212.9 September 30, 1997 (9/30/97) DE

(71) Applicant (for all designated countries except US):

SCHERING AKTIENGESELLSCHAFT [DE/DE]; Müllerstrasse 178,
P.O. Box 65 03 11, D-13342 Berlin (DE).

(72) Inventors; and

(75) Inventors/applicants (only for US):

WEBER, Alfred [DE/DE]; Schützallee 56, D-14169 Berlin (DE).
KLAGES, Uwe [DE/DE]; Schramberger Strasse 19, D-13467 Berlin
(DE). KENNECKE, Mario [DE/DE]; Taubertstrasse 31 f, D-14193
Berlin (DE). LANG, Christine [DE/DE]; Goethestrasse 59, D-
10625 Berlin (DE). STAHL, Ulf [DE/DE]; Mühlenfeldstrasse
115, D-13467 Berlin (DE). POLAKOWSKI, Thomas [DE/DE];
Egelsstrasse 2, D-13507 Berlin (DE).

(81) Designated countries: AL, AM, AT, AU, AZ, BA, BB, BG, BR,
BY, CA, CH, CN, CU, CZ, DK, EE, ES, FI, GB, GD, GE, GH, GM,
HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS,

LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO Patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian Patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European Patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI Patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

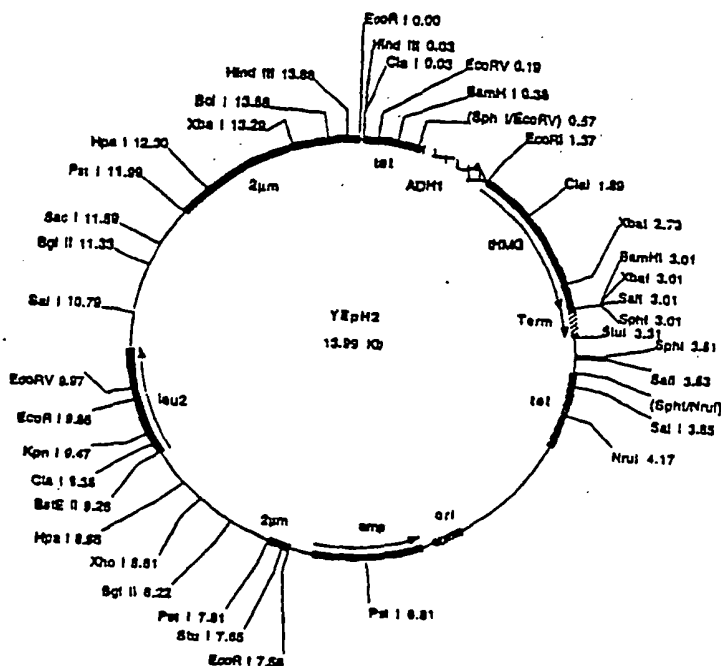
With international search report.

Before expiration of the time limit allowed for amendment of the claims. It will be republished if amendments are made.

(54) **Title:** PROCESS FOR THE PRODUCTION OF ERGOSTEROL AND ITS INTERMEDIATE PRODUCTS USING RECOMBINANT YEASTS

(57) **Abstract**

A process for the production of ergosterol and its intermediate products using recombinant yeasts and plasmids for transformation of yeasts is described.



FOR INFORMATION ONLY

Codes used for identifying PCT member countries on the head sheets of the publications of international applications according to the PCT.

AL	Albania
AM	Armenia
AT	Austria
AU	Australia
AZ	Azerbaijan
BA	Bosnia-Herzegovina
BB	Barbados
BE	Belgium
BF	Burkina Faso
BG	Bulgaria
BJ	Benin
BR	Brazil
BY	Belarus
CA	Canada
CF	Central African Republic
CG	Congo
CH	Switzerland
CI	Ivory Coast
CM	Cameroon
CN	China
CU	Cuba
CZ	The Czech Republic
DE	Germany
DK	Denmark
EE	Estonia
ES	Spain
FI	Finland
FR	France
GA	Gabon
GB	United Kingdom
GE	Georgia
GH	Ghana
GN	Guinea
GR	Greenland
HU	Hungary
IE	Ireland
IL	Israel
IS	Iceland
IT	Italy
JP	Japan

KE Kenya
KG Kyrgyzstan
KP Democratic People's Republic of Korea
KR Republic of Korea
KZ Kazakhstan
LC St. Lucia
LI Liechtenstein
LK Sri Lanka
LR Liberia

LS Lesotho
LT Lithuania
LU Luxembourg
LV Latvia
MC Monaco
MD Republic of Moldova
MG Madagascar
MK the former Yugoslavian Republic of Macedonia
ML Mali
MN Mongolia
MR Mauritania
MW Malawi
MX Mexico
NE Niger
NL The Netherlands
NO Norway
NZ New Zealand
PL Poland
PT Portugal
RO Romania
RU Russian Federation
SD Sudan
SE Sweden
SG Singapore

SI Slovenia
SK Slovakian Republic
SN Senegal
SZ Swaziland
TD Chad
TG Togo
TJ Tajikistan
TM Turkmenistan
TR Turkey
TT Trinidad and Tobago
UA The Ukraine
UG Uganda
US United States of America
UZ Uzbekistan
VN Vietnam
YU Yugoslavia
ZW Zimbabwe